

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product name FINISH® DUAL ACTION™ Dishwasher Cleaner - All Scents

CAS#

Mixture

This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the Canadian Workplace Hazardous Materials Information System (WHMIS). This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.

Product Use Dishwasher Cleaner

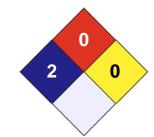
Distributed by Reckitt Benckiser (Canada) Inc.

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In Case of Emergency: 1-800-338-6167 Transportation Emergencies: 24 Hour Number: North America: CHEMTREC: 1-800-424-9300 Outside North America: 1-703-527-3887

Severe 4
Serious 3
Moderate 2
Slight 1
Minimal 0





2. Hazards Identification

Emergency overview CAUTION

MAY IRRITATE EYES. DO NOT get in eyes.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Eyes Irritating to eyes.

Skin No known significant effects or critical hazards.

Not expected to be a skin sensitizer.

InhalationNo known significant effects or critical hazards.IngestionNo known significant effects or critical hazards.

Target organs Eyes. Respiratory system. Skin.

Chronic effectsThe finished product is not expected to have chronic health effects.

Signs and symptoms Symptoms may include redness, oedema, drying, defatting and cracking of the skin.

3. Composition/Information on Ingredients

Components	CAS#	Percent
Citric acid	77-92-9	15 - 40
Poly(oxy-1,2-ethanediyl), tridecyl-hydroxy-branched	69011-36-5	5 - 10

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4. First Aid Measures First aid procedures If in eyes, IMMEDIATELY rinse eyes with water. Remove any contact lenses and continue rinsing Eye contact eyes for at least 15 minutes. If irritation persists, get medical attention. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get Skin contact medical attention if symptoms occur. Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Obtain medical attention if irritation persists. If swallowed, call a Poison Control Centre or doctor immediately. Have person drink a glass of Ingestion water if able to swallow. Do not give anything to an unconscious person. Do not induce vomiting. Notes to physician Treat patient symptomatically. **General advice** If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children. 5. Fire Fighting Measures Not flammable by WHMIS criteria. Flammable properties **Extinguishing media** Suitable extinguishing Treat for surrounding material. media Unsuitable extinguishing Not available media Protection of firefighters Specific hazards arising Not available from the chemical Protective equipment for Firefighters should wear full protective clothing including self contained breathing apparatus. firefighters Hazardous combustion May include and are not limited to: Oxides of carbon. products **Explosion data** Sensitivity to mechanical Not available. impact Sensitivity to static Not available. discharge 6. Accidental Release Measures

Personal precautions Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Do not discharge into lakes, streams, ponds or public waters. Advise authorities if product has **Environmental precautions** penetrated drains, sewers or water pipes. **Methods for containment** Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or

confined areas.

Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with Methods for cleaning up non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills

from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

7. Handling and Storage

Ensure adequate ventilation. Handling

Avoid contact with eyes, skin and clothing.

DO NOT mix with chlorine bleach or any other product as harmful fumes may result.

Use good industrial hygiene practices in handling this material.

When using do not eat or drink.

Wash hands before breaks and immediately after handling the product.

#25038 Page: 2 of 6 Issue date 11-August-2014 Keep out of reach of children.

Keep in properly labelled containers.

Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure Controls/Personal Protection

Exposure limits

Not applicable.

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Consult the product label for special protection or precautions that have been identified for

using this product under directed consumer use conditions. The following

recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged

exposure.

Eye / face protection Tightly fitting safety goggles.

Emergency responders should wear full eye and face protection.

Impervious gloves. Hand protection

Emergency responders should wear impermeable gloves.

Skin and body protection Usual safety precautions while handling the product will provide adequate protection against injury

or irritation.

Emergency responders should wear impermeable clothing and footwear when responding to a

situation where contact with the liquid is possible.

Not normally required under normal use conditions. Respiratory protection

Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation

of vapours generated by this product during a spill or other clean-up operations.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practices.

When using do not eat or drink.

Washing with soap and water after use is recommended as good hygienic practice to prevent

possible eye irritation from hand contact.

9. Physical and Chemical Properties

Liquid **Appearance**

Colour Blue or Yellow or Green

Aqueous solution **Form** Characteristic Odour Not available. Odour threshold **Physical state** Liquid.

1.5: Not Corrosive: confirmed by experimental data Hq

Not available. Freezing point **Boiling point** < 100 °C (< 212 °F) Pour point Not available.

Not available **Evaporation rate** Not available. Flash point Not available. **Auto-ignition temperature** Flammability Limits in Air, Not available. **Upper, % by Volume**

Flammability Limits in Air,

Not available.

Lower, % by Volume

Not available. Heat of combustion Not available. Vapour pressure Vapour density Not available. 1.09 - 1.12 g/cm3 Specific gravity **Partition coefficient** Not available.

(n-octanol/water)

Not available. Solubility (Water) Relative density Not available. **Viscosity** Not available. Not available VOC

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10. Stability and Reactivity

Possibility of hazardous

reactions

Reactivity

This product may react with strong oxidising agents. Hazardous polymerisation does not occur.

Stable under recommended storage conditions. Chemical stability

Conditions to avoid DO NOT MIX WITH BLEACH or use in conjunction with other household products.

Acids. Oxidizers. Incompatible materials

Hazardous decomposition

products

May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Toxicological data

Components **Species** Test results

Citric acid (CAS 77-92-9)

Acute Dermal

LD50 Not available

Inhalation

LC50 Not available

Oral

LD50 5040 mg/kg Mouse 3000 mg/kg

Rat

Poly(oxy-1,2-ethanediyl), tridecyl-hydroxy-branched (CAS 69011-36-5)

Acute

Dermal

LD50 Not available

Inhalation

LC50 Not available

Oral

LD50 Rat 1080 mg/kg

Effects of acute exposure

Eve contact Irritating to eyes.

No known significant effects or critical hazards. Skin contact

Not expected to be a skin sensitizer.

Inhalation No known significant effects or critical hazards. Ingestion No known significant effects or critical hazards.

Sensitisation The finished product is not expected to have chronic health effects. The finished product is not expected to have chronic health effects. **Chronic effects** Carcinogenicity The finished product is not expected to have chronic health effects. The finished product is not expected to have chronic health effects. Mutagenicity The finished product is not expected to have chronic health effects. Reproductive effects **Teratogenicity** The finished product is not expected to have chronic health effects.

Name of Toxicologically **Synergistic Products**

Not available.

12. Ecological Information

See below **Ecotoxicity**

#25038 Page: 4 of 6 Issue date 11-August-2014 Ecotoxicological data **Species Test results** Components

Citric acid (CAS 77-92-9)

Acute

Crustacea EC50 Daphnia magna 120 mg/l, 72 hr

Aquatic

Acute

Fish LC50 Bluegill (Lepomis macrochirus) 1516 mg/l, 96 hr

Persistence and degradability Not available. Bioaccumulation/accumulation Not available Mobility in environmental Not available.

media

Not available. **Environmental effects** Not available. Aquatic toxicity Partition coefficient Not available. Not available. Chemical fate information

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations.

Waste from residues / unused

products

Not available

Contaminated packaging

Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

IATA/ICAO (Air)

Not regulated as dangerous goods.

IMDG (Marine Transport)

Not regulated as dangerous goods.

15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Canadian federal regulations Regulations and the MSDS contains all the information required by the Controlled Products

Regulations.

Product Registration: Product is compliant with CCCR regulatory guidelines; a specific registration

is not required for this product.

Canada WHMIS Ingredient Disclosure: Threshold limits

Citric acid (CAS 77-92-9) 1 %

WHMIS Classification Exempt - Consumer product

Inventory status

Country(s) or region On Inventory (Yes/No)* **Inventory Name**

Canada Domestic Substances List (DSL) No Canada Non-Domestic Substances List (NDSL) Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer This product should only be used as directed on the label and for the purpose intended.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee

that these are the only hazards that exist.

Further information FINISH® DUAL ACTION™ Dishwasher Cleaner - Citrus Fresh - 0347184v2.0

FINISH® DUAL ACTION™ Dishwasher Cleaner - Fresh Scent - 0347178v3.0

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Prepared by Reckitt Benckiser Regulatory Department Phone: 800-333-3899

Other information For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the

document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.

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